

TOTAL NITROGEN APPLIED REPORTING REQUIREMENT 2015 REPORTING

GROWER WORKSHOPS

**Monica Barricarte
Irrigated Lands Regulatory Program
Central Coast Water Board**

TNA Reporting Required

Tier 2 and 3 High Risk Farms/Ranches

TNA Reporting NOT Required

Tier 1

Tier 2 - Low and medium risk

Tier 3 - Low and medium risk

Required Acres

Tier 2/3 Annual Compliance Form Section C – High Risk Determination

Method 1

- Crop grown
- Irrigation system
- Irrigation water nitrate concentration

Method 2

- Crop grown
- Irrigation system
- Soil Serie (name)

Purpose for Today

1. Specific required information
2. Due October 1st, 2015
3. How to report
4. Review/discuss 2015 form
5. Submit form, examples
6. Questions

Report Information for Required Acres

**Ranch/Risk unit,
Block/Field info**

When to Report Which Crops

Crop life	Harvest date	Reporting Date	Reported Information
Crops grown for less than 12 months	Harvested during the reporting period.	Report by October 1 st 2015	Report TNA applied to the entire crop throughout its growing cycle.
	Not harvested during the current reporting period, but in the next one	Report by the October 1 st that follows the final harvest (kill-date), that is, October 1 st 2016	Report TNA applied to the entire crop throughout its growing cycle.

When to Report Which Crops

Crop life	Harvest date	Reporting Date	Reported Information
Crops grown more than 12 months but less than 2 years. Example: strawberry	NOT harvested during the current reporting period, but in the next reporting period	<p>1. Report by October 1st 2015 as follows: Select the “not harvested” option from the “Specific Crops Grown” drop-down menu.</p> <p>2. Resubmit the TNA Reporting Form, at the time when the crop is finally harvested (kill-date). Example, December 2015.</p>	<p>1. By October 1st 2015 report the amount of nitrogen applied to the crop up to August 31st 2015.</p> <p>2. By end of crop. Report TNA applied from beginning to end of its growing cycle. Update TNA applied to this crop, don't include crops that will be harvested in next period.</p>

When to Report Which Crops

Crop life	Harvest date	Reporting Date	Reported Information
Long-term crops (2 years or more). Example: blueberry	Overlaps multiple reporting periods.	Report by October 1 st 2015 annually thereafter	Report TNA applied from September 1 st 2014 to August 31 st 2015

When to Report Which Crops

Crop life	Harvest date	Reporting Date	Reported Information
Crops grown for less than 12 months	Harvested during the reporting period.	Report by October 1 st 2015	Report TNA applied to the entire crop throughout its growing cycle.
	Not harvested during the current reporting period, but in the next one	Report by the October 1 st that follows the final harvest (kill-date), that is, October 1 st 2016	Report TNA applied to the entire crop throughout its growing cycle.
Crops grown more than 12 months but less than 2 years. Example: strawberry	NOT harvested during the current reporting period, but in the next reporting period	<p>1. Report by October 1st 2015 as follows: Select the “not harvested” option from the “Specific Crops Grown” drop-down menu.</p> <p>2. Resubmit the TNA Reporting Form, at the time when the crop is finally harvested (kill-date). Example, December 2015.</p>	<p>1. By October 1st 2015 report the amount of nitrogen applied to the crop up to August 31st 2015.</p> <p>2. By end of crop. Report TNA applied from beginning to end of its growing cycle. Update TNA applied to this crop, don't include crops that will be harvested in next period.</p>
Long-term crops (2 years or more). Example: blueberry	Overlaps multiple reporting periods.	Report by October 1 st 2015 annually thereafter	Report TNA applied from September 1 st 2014 to August 31 st 2015

- 1: For baby crops, such as baby lettuce, select the “baby” option in the crop drop down menu.
- 2: For crops NOT listed in the specific crop drop down menu, contact Water Board staff.



CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

CENTRAL COAST REGIONAL WATER QUALITY CONTROL BOARD

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Welcome to the Central Coast Regional Water Quality Control Board |

Office of Governor

Edmund G. Brown Jr.

[Visit his Website](#)



- Cal/EPA
- State & Regional Water Boards
- Laws/Regulations
- Plans/Policies
- Programs
- Decisions Pending and Opportunities for Public Participation



RESOURCES

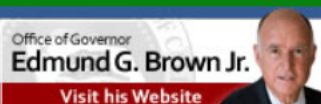
- Email Subscriptions
- Data & Databases
- Business Help
- Public Records Center
- Grants & Loans
- Fees
- Customer Service Survey
- Language Access Complaint



- Ambient Monitoring Program (CCAMP)
- Basin Plan
- Board Meeting Calendar
- Drought Year Info
- Enforcement
- Environmental Justice
- Financial Assistance (Grants and Loans)
- Groundwater Assessment and Protection (GAP)
- Healthy Watershed Vision
- Impaired Waterbodies
- **Irrigated Lands Regulatory Program**
- Programs
- Reporting a Sewage Spill
- Storm Water
- Success Stories
- Total Maximum Daily Load
- Underground Storage Tanks
- Wastewater Permitting
- Water Quality Certification Program
- Watershed Management
- More....

ANNOUNCEMENTS

- Emergency Water Conservation Regulations Portal
- Central Coast Post-Construction Stormwater Requirements Annual Reporting Form
- Information Regarding Settlement Fund Allocation
- The 2012 Accomplishments Report
- New! Ex Parte Communication Disclosure Form Is Now Available for Pending General Orders
- Water Board launches Groundwater Assessment and Protection (GAP) program webpage



- Cal/EPA
- State & Regional Water Boards
- Laws/Regulations
- Plans/Policies
- Programs
- Decisions Pending and Opportunities for Public Participation



RESOURCES

- Email Subscriptions
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- Business Help
- Public Records Center
- Grants & Loans
- Fees
- Customer Service Survey
- Language Access Complaint
 - en Español
- File an Environmental

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Irrigated Lands Regulatory Program



You can receive irrigated lands program updates by e-mail.
Subscribe online: [Agricultural Discharges](#)

Announcements **NEW**

Are you a grower who needs help with the Agricultural Order? Frequently Asked Questions and Sample Forms are available. See [Grower Workshops and Resources below](#).

Changes to Section-C: Groundwater Nitrate Loading Risk Determination of the Annual Compliance form for the September 1, 2014 - August 31, 2015 reporting period must be completed in GeoTracker by no later than midnight of August 31, 2015. All risk determinations of "high" after August 31, 2015 will be required to report Total Nitrogen Applied forms by October 1, 2015.

Total Nitrogen Applied Reports are due October 1, 2015. Tier 2 and Tier 3 farms/ranches that have a "high" groundwater nitrate loading risk at Section-C of the Annual Compliance Form are required to submit a total nitrogen applied reports. The 2015 Total Nitrogen Applied Report form will be posted on our website soon.

Items for Discretionary Review - State Board Order WQ-2013-0101 identifies specific items related to implementation of the Agricultural Order for which interested persons may seek discretionary review by the Regional Board. Interested Parties have 30 days to request review. See [Items for Discretionary Review below](#).

Irrigated Lands Regulatory Program Overview

The Central Coast Water Board regulates discharges from irrigated agricultural lands to protect surface water and groundwater, using a permit called a Conditional Waiver of Waste Discharge Requirements that applies to owners and operators of irrigated land used for commercial crop production. The Central Coast Water Board is focusing on priority water quality issues, such as pesticides and toxicity, nutrients, and sediments – especially nitrate impacts to drinking water sources. Staff is prioritizing efforts in the major agricultural areas of the region - the Salinas River, Santa Maria, and Pajaro River watersheds.

- [Irrigated Lands Regulatory Program Operational Measures](#)
- [Irrigated Lands Regulatory Program Contacts](#)
- [State Water Board's Agriculture - Irrigated Lands Regulatory Program Website](#)

2012 Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands

Central Coast Regional Water Quality Control Board - Windows Internet Explorer

http://www.waterboards.ca.gov/centralcoast/

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File Edit View Favorites Tools Help

Notice of Termination - Individual Farm/Ranch

Grower Workshops and Resources

For Tier 1, Tier 2 and Tier 3 Growers:

- * [Grower Workshop Presentation](#)
- * [Grower Compliance Calendar](#)
- * [Grower Compliance Calendar](#) (Chinese Version)
- * [Grower Compliance Calendar](#) (Spanish Version)
- * [Farm Water Quality Plan Template](#)
- * [Individual Groundwater Monitoring Guidance](#)
- * [Individual Groundwater Monitoring - List of Labs](#)
- * [Alternative Individual Groundwater Monitoring Form](#)
- * [Cooperative Groundwater Monitoring Guidance](#)
- * [Backflow Prevention](#)
- * [Protection of Trade Secret and Private Information](#)
- * [Nitrate in Drinking Water](#)
- * [Nitrates in Drinking Water](#) (Spanish Version)
- * [Nitrate in Drinking Water](#) (Chinese)
- * [Responsible Parties: Landowner and Operator](#)
- * [Farm/Ranch Inspections](#)

Local Water Quality Information:

- * [GeoTracker GAMA Groundwater Quality Maps and Data](#)
- * [Central Coast Ambient Monitoring Program](#)
- * [2010 303\(d\) List of Impaired Surface Waterbodies](#)

Resources for Laboratories:

- * [GeoTracker Authorization](#)

For Tier 2 and Tier 3 Growers:

- * [Annual Compliance Form Instructions and Sample Form](#)
- * [Annual Compliance Form Instructions and Sample Form \(Spanish\)](#)
- * [Annual Compliance Form Instructions and Sample Form \(Chinese\)](#)
- * [Photo Monitoring Protocols**](#)
- * [Attachment 1 \(Writable Photo Documentation Reporting Form\)](#)
- **All photos and forms to be retained on-site, in Farm Plans.

For Tier 3 Growers:

- * [Individual Surface Water Discharge Monitoring and Reporting Template - Sampling and Analysis Plan and Quality Assurance](#)
- * [Individual Surface Water Discharge Monitoring \(MS Word\)](#)

Irrigation and Nutrient Management for Tier 2 and Tier 3:

- * [Total Nitrogen Applied Form](#) **NEW**
- * [Required Total Nitrogen Report Form Instructions](#)
- * [Total Nitrogen Applied Guidance](#)
- * [Download tool N from fertilizers](#)
- * [Download tool convert to gallons](#) **NEW**
- * [Sample Fertilizer Calculations](#)
- * [Sample Nitrogen Recordkeeping Template](#) (MS Excel)
- * [INMP Resources for Growers](#)
- * [Tier 3 INMP Requirements](#)
- * [Nitrogen Management Training Materials](#)

Cooperative Groundwater Monitoring Programs

The Agricultural Order and MRP provide landowners and operators the option to comply with groundwater monitoring requirements by either sampling groundwater wells individually on their agricultural operations, or by joining a groundwater cooperative monitoring program approved by the Executive Officer. There are advantages and disadvantages to both the individual and cooperative groundwater monitoring options (including cost and responsibilities). Individual landowners and operators should evaluate the options carefully and choose the option that best fits their specific situation.

The Executive Officer has approved the following two cooperative groundwater monitoring programs:

1. Central Coast Cooperative Groundwater Coalition (CCGC)
 - > [CCGC Work Plans for Northern and Southern Counties](#) - Dated 11/01/2013
 - > [Executive Officer Approval for CCGC Northern Work Plan](#) - Dated 07/11/2013
 - > [Executive Officer Approval for CCGC Northern Work Plan, Revised](#) - Dated 12/17/2013

TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

Page 1 of 3 - August 13, 2015 Version

EMAIL FORM AS AN ATTACHMENT: Attach completed and saved form to an email and send to AgNOI@waterboards.ca.gov

Reporting Period: 09/01/2014 to 08/31/2015

Any changes to the reporting period must be approved by staff. Form will not be accepted without approval.

CONDITIONAL WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES FROM IRRIGATED LANDS - REGIONAL BOARD ORDER R3-2012-0011

Annually by October 1st, Tier 2 and Tier 3 dischargers with High Nitrate Loading Risk must report total nitrogen applied and present in the soil.

Hover over the cells/boxes with your mouse for more information on what is required. Refer to instructions for further detail.

SECTION I: GENERAL RANCH INFORMATION

AW#: <input type="text"/>	Ranch Global ID: <input type="text"/>	Ranch/Risk Unit or Field/Block Name: <input type="text"/>	Physical Acres Reporting: <input type="text"/>
County: <input type="text"/>	APN(s): <input type="text"/>	<input type="text"/>	<input type="text"/>

(Space for more parcels and multiple counties available on page 2)

SECTION II: NITROGEN APPLIED WITH IRRIGATION WATER (Include water for leaching and recycled water)

Average Nitrate Concentration in Irrigation Water (mg/L) <input type="text"/>	Units of Nitrate Concentration (select one) <input type="checkbox"/> as Nitrate (NO3) <input type="checkbox"/> as Nitrogen (N)	Estimated Total Volume of Irrigation Water Applied to Entire Reporting Acres During Reporting Period (gallons) <input type="text"/>	Total Nitrogen Applied with Irrigation Water (lbs/ac) <input type="text"/>	Physical Acres Receiving Compost & Amendments <input type="text"/>	Nitrogen Applied in Compost & Amendments (total lbs) <input type="text"/>
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For auto-calculation of Nitrogen Applied with Irrigation Water. This field is not required. Use the spreadsheet 'convert to gallons' for converting acre-feet or acre-inches to gallons.

Applications of nitrogen from compost and amendments (not fertilizers) made to improve soil properties, and/or as a source of nitrogen to ALL crops grown during the reporting period may be reported here. Alternatively, the nitrogen may be distributed accordingly between the crops and reported in Section IV. Do not report this information in both sections.

SECTION IV: NITROGEN APPLIED WITH FERTILIZERS & OTHER MATERIALS AND NITROGEN PRESENT IN SOIL (The spreadsheet 'N from fertilizers' assists with calculations in this section)

	Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present In Soil (lbs/ac)	Nitrogen Applied In Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)		Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present In Soil (lbs/ac)	Nitrogen Applied In Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)
1.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		16.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
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3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		18.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
4.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		19.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
5.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		20.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		21.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		22.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
8.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		23.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
9.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		24.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
10.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		25.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
11.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		26.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
12.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		27.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
13.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		28.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
14.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		29.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
15.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		30.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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New tab Ctrl+T

Duplicate tab Ctrl+K

New window Ctrl+N

New session

Open... Ctrl+O

Edit

Save as... Ctrl+S

Close tab Ctrl+W

Page setup...

Print... Ctrl+P

Send

Import and export...

Properties

Work offline

Exit

HIGH NITRATE LOADING RISK REPORT - RANCH/RISK UNIT & FIELD/BLOCK

EMAIL FORM AS AN ATTACHMENT: Attach completed and saved form to an email and send to AgNOI@waterboards.ca.gov

Reporting Period: 09/01/2014 to 08/31/2015

DISCHARGE REQUIREMENTS FOR DISCHARGES FROM IRRIGATED LANDS - REGIONAL BOARD ORDER R3-2012-0011

High Nitrate Loading Risk must report total nitrogen applied and present in the soil.

For more information on what is required, refer to instructions for further detail.

Ranch/Risk Unit or Field/Block Name: Physical Acres Reporting:

For more parcels and multiple counties available on page 2)

SECTION II: IRRIGATION WATER (Include water for leaching and recycled water)

Estimated Total Volume of Irrigation Water Applied to Entire Reporting Acres During Reporting Period (gallons)

For auto-calculation of Nitrogen Applied with Irrigation Water. This field is not required. Use the spreadsheet 'convert_to_gallons' for converting acre-feet or acre-inches to gallons.

Total Nitrogen Applied with Irrigation Water (lbs/ac)

SECTION III: NITROGEN APPLIED WITH COMPOST & AMENDMENTS

Applications of nitrogen from compost and amendments (not fertilizers) made to improve soil properties, and/or as a source of nitrogen to ALL crops grown during the reporting period may be reported here. Alternatively, the nitrogen may be distributed accordingly between the crops and reported in Section IV. Do not report this information in both sections.

Physical Acres Receiving Compost & Amendments

Nitrogen Applied in Compost & Amendments (total lbs)

SECTION IV: FERTILIZERS & OTHER MATERIALS AND NITROGEN PRESENT IN SOIL (The spreadsheet 'N from_fertilizers' assists with calculations in this section)

	Harvested During Reporting Period (Select from List on Page 3)	Crop Acres	Nitrogen Present in Soil (lbs/ac)	Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)	Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present in Soil (lbs/ac)	Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)
1.							16.					
2.							17.					
3.							18.					
4.							19.					
5.							20.					
6.							21.					
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10.							25.					
11.							26.					
12.							27.					
13.							28.					
14.							29.					
15.							30.					

TIER 2/TIER 3 EAPMS WITH HIGH NITRATE LOADING DISK

Save a Copy...

Save in: Temp

Recent Places

- Desktop
- Libraries
- Computer
- Network

Name

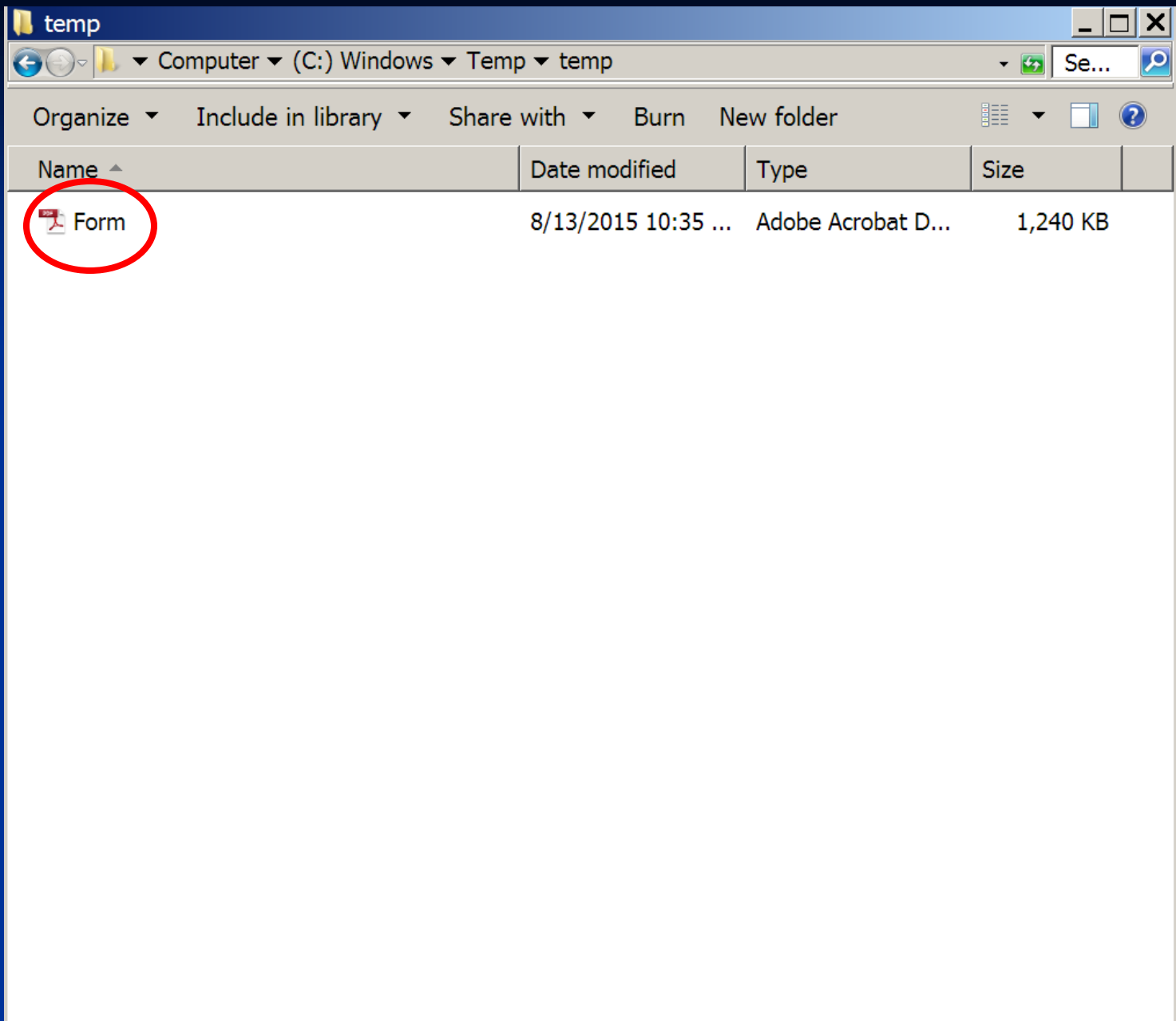
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15.								30.							



TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

Page 1 of 3 - August 13, 2015 Version

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12.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		27.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
13.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		28.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
14.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		29.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
15.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		30.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

EMAIL FORM AS AN ATTACHMENT: Attach completed and saved form to an email and send to AgNOI@waterboards.ca.gov

Page 3 of 3

ADDITIONAL CROPS AND COUNTIES (continued from Sections I and IV)

Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present In Soil (lbs/ac)	Nitrogen Applied In Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)	Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present In Soil (lbs/ac)	Nitrogen Applied In Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)
31. <input type="text"/>						38. <input type="text"/>					
32. <input type="text"/>						39. <input type="text"/>					
33. <input type="text"/>						40. <input type="text"/>					
34. <input type="text"/>						41. <input type="text"/>					
35. <input type="text"/>						42. <input type="text"/>					
36. <input type="text"/>						43. <input type="text"/>					
37. <input type="text"/>						44. <input type="text"/>					

County: <input type="text"/>	APN(s): <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
County: <input type="text"/>	APN(s): <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
County: <input type="text"/>	APN(s): <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

SECTION V: BASIS FOR THE AMOUNT OF TOTAL NITROGEN THAT WAS APPLIED (select all that apply)

- | | | | | |
|---|--|--|--|--|
| <input type="checkbox"/> University Research Data | <input type="checkbox"/> Consultant (PCA, CCA, etc.) | <input type="checkbox"/> Commodity or Industry Group | <input type="checkbox"/> Trade Publication | <input type="checkbox"/> Laboratory Recommendation |
| <input type="checkbox"/> UCCE Information | <input type="checkbox"/> Local Info/Neighbor | <input type="checkbox"/> Private Research Trials | <input type="checkbox"/> Fertilizer Distributor/Dealer | <input type="checkbox"/> Site Analysis Dry Biomass |
| <input type="checkbox"/> UC Farm Advisor Consultation | <input type="checkbox"/> Yield Projection | <input type="checkbox"/> On-Farm Research Trials | <input type="checkbox"/> Grower Experience | <input type="checkbox"/> Scientific Literature |

SECTION VI: EXPLANATIONS & COMMENTS

If the information on this form does not represent the entire 12-month reporting period, please provide a brief explanation.

SECTION VII: TRADE SECRETS

Does this form contain information related to trade secrets or secret processes? ☐ YES ☐ NO

If YES, include an attachment that identifies the specific section(s) in this Total Nitrogen Applied form where proprietary information is contained and provide detailed and specific justification. Note that checking YES to the question above and providing detailed and specific justification does not guarantee the information will not be disclosed; Regional Board staff must review the claim of proprietary information and justification and make a determination as to whether the information is proprietary and can be withheld from disclosures in a Public Records Act request.

SECTION VIII: CERTIFICATION This form must be reviewed and certified by the Operator/Responsible Party listed on the eNOI

I declare under penalty of perjury under the laws of the State of California that this Total Nitrogen Applied Report, in compliance with Water Code §13267, was prepared by me, or under my direction or supervision, following a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. To the best of my knowledge and belief, this document is true, accurate, and complete. I am aware that there are significant penalties associated with submitting false information and committing perjury.

☐ I have read and accept the above terms.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Operator/Responsible Party	Preparer Name	Preparer Title	Contact Info (email address and/or phone number)	Date Prepared (MM/DD/YYYY)

TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

Page 1 of 3 - August 13, 2015 Version

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Reporting Period: 09/01/2014 to 08/31/2015

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CONDITIONAL WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES FROM IRRIGATED LANDS - REGIONAL BOARD ORDER R3-2012-0011

Annually by October 1st, Tier 2 and Tier 3 dischargers with High Nitrate Loading Risk must report total nitrogen applied and present in the soil.

Hover over the cells/boxes with your mouse for more information on what is required. Refer to instructions for further detail.

SECTION I: GENERAL RANCH INFORMATION

AW#: <input type="text"/>	Ranch Global ID: <input type="text"/>	Ranch/Risk Unit or Field/Block Name: <input type="text"/>	Physical Acres Reporting: <input type="text"/>
County: <input type="text"/>	APN(s): <input type="text"/>	<input type="text"/>	<input type="text"/>

SECTION II: NITROGEN APPLIED WITH IRRIGATION WATER

Average Nitrate Concentration in Irrigation Water (mg/L)

Units of Nitrate Concentration (select one)

- ☐ as Nitrate (NO₃)
- ☐ as Nitrogen (N)

SECTION IV: NITROGEN APPLIED WITH FERTILIZERS AND OTHER MATERIALS

	Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Cropland Acres
1.	<input type="text"/>	<input type="text"/>
2.	<input type="text"/>	<input type="text"/>
3.	<input type="text"/>	<input type="text"/>
4.	<input type="text"/>	<input type="text"/>
5.	<input type="text"/>	<input type="text"/>
6.	<input type="text"/>	<input type="text"/>
7.	<input type="text"/>	<input type="text"/>
8.	<input type="text"/>	<input type="text"/>
9.	<input type="text"/>	<input type="text"/>
10.	<input type="text"/>	<input type="text"/>
11.	<input type="text"/>	<input type="text"/>
12.	<input type="text"/>	<input type="text"/>
13.	<input type="text"/>	<input type="text"/>
14.	<input type="text"/>	<input type="text"/>
15.	<input type="text"/>	<input type="text"/>

Warning: JavaScript Window -



WARNING: Your form HAS been saved. However, not all required fields have been completed and/or there are formatting errors (RED BOXES). If you submit this form without correcting these fields, the form may not be accepted. Water Board staff will contact you regarding resubmitting the completed form.

OK

COMPOST & AMENDMENTS

Physical Acres Receiving Compost & Amendments

Nitrogen Applied in Compost & Amendments (total lbs)

<input type="text"/>	<input type="text"/>
----------------------	----------------------

(Units with calculations in this section)

Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)

O/C

No Yield/Research (NY or R)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

Page 1 of 3 - August 13, 2015 Version

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CONDITIONAL WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES FROM IRRIGATED LANDS - REGIONAL BOARD ORDER R3-2012-0011

Annually by October 1st, Tier 2 and Tier 3 dischargers with High Nitrate Loading Risk must report total nitrogen applied and present in the soil.

Hover over the cells/boxes with your mouse for more information on what is required. Refer to instructions for further detail.

SECTION I: GENERAL RANCH INFORMATION

AW#: Ranch Global ID: Ranch/Risk Unit or Field/Block Name: Physical Acres Reporting:

County: APN(s):

(Space for more parcels and multiple counties available on page 2)

SECTION II: NITROGEN APPLIED WITH IRRIGATION WATER (Include water for leaching and recycled water)

Average Nitrate Concentration in Irrigation Water (mg/L)

Units of Nitrate Concentration (select one)

- ☐ as Nitrate (NO₃)
- ☐ as Nitrogen (N)

Estimated Total Volume of Irrigation Water Applied to Entire Reporting Acres During Reporting Period (gallons)

For auto-calculation of Nitrogen Applied with Irrigation Water. This field is not required. Use the spreadsheet 'convert_to_gallons' for converting acre-feet or acre-inches to gallons.

Total Nitrogen Applied with Irrigation Water (lbs/ac)

SECTION III: NITROGEN APPLIED WITH COMPOST & AMENDMENTS

Applications of nitrogen from compost and amendments (not fertilizers) made to improve soil properties, and/or as a source of nitrogen to ALL crops grown during the reporting period may be reported here. Alternatively, the nitrogen may be distributed accordingly between the crops and reported in Section IV. Do not report this information in both sections.

Physical Acres Receiving Compost & Amendments

Nitrogen Applied in Compost & Amendments (total lbs)

SECTION IV: NITROGEN APPLIED WITH FERTILIZERS & OTHER MATERIALS AND NITROGEN PRESENT IN SOIL (The spreadsheet 'N from_fertilizers' assists with calculations in this section)

	Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present in Soil (lbs/ac)	Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)		Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present in Soil (lbs/ac)	Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)
1.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	16.		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	17.		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>			<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
4.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>			<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
5.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>			<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>			<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>			<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
8.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	23.		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
9.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	24.		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
10.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	25.		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
11.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	26.		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
12.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	27.		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
13.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	28.		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
14.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	29.		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
15.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	30.		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

Provide the total pounds of nitrogen applied on average per crop-acre of each Specific Crop. ***Refer to full instructions for a) exceptions for crops with growing cycles greater than one year; and b) an example calculation for when there are multiple rotations of the same specific crop during the reporting period***

TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

Page 1 of 3 - August 13, 2015 Version

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Reporting Period: 09/01/2014 to 08/31/2015

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CONDITIONAL WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES FROM IRRIGATED LANDS - REGIONAL BOARD ORDER R3-2012-0011

Annually by October 1st, Tier 2 and Tier 3 dischargers with High Nitrate Loading Risk must report total nitrogen applied and present in the soil.

Hover over the cells/boxes with your mouse for more information on what is required. Refer to instructions for further detail.

SECTION I: GENERAL RANCH INFORMATION

AW#: <input type="text"/>	Global ID: <input type="text"/>	Ranch/Risk Unit or Field/Block Name: <input type="text"/>	Physical Acres Reporting: <input type="text"/>
County: <input type="text"/>	APN(s): <input type="text"/>		

(Space for more parcels and multiple counties available on page 2)

SECTION II: NITROGEN APPLIED WITH IRRIGATION WATER (include water for leaching and recycled water)

Average Nitrate Concentration in Irrigation Water (mg/L) <input type="text"/> <input type="checkbox"/> as Nitrate (NO3) <input type="checkbox"/> Nitrogen (N)	Units of Nitrate Concentration (select one) <input type="text"/>	Estimated Total Volume of Irrigation Water Applied to Entire Reporting Acres During Reporting Period (gallons) <input type="text"/> <small>For auto-calculation of Nitrogen Applied with Irrigation Water, this field is not required. Use the spreadsheet "convert_to_gallons" converting acre-feet or acre-inches to gallons.</small>	Total Nitrogen Applied with Irrigation Water (lbs/ac) <input type="text"/>	Applications of nitrogen from compost and amendments (not fertilizers) made to improve soil properties, and/or as a source of nitrogen to ALL crops grown during the reporting period may be reported here. Alternatively, the nitrogen may be distributed accordingly between the crops and reported in Section III. Do not report this information in both sections.	Physical Acres Receiving Compost & Amendments <input type="text"/>	Nitrogen Applied in Compost & Amendments (total lbs) <input type="text"/>
---	--	--	--	---	--	---

SECTION III: NITROGEN APPLIED WITH FERTILIZERS & OTHER MATERIALS AND NITROGEN PRESENT IN SOIL (The spreadsheet "N from Soil" contains calculations in this section)

Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present in Soil (lbs/ac)	Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)	No Yield/Research (NY or R)	Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present in Soil (lbs/ac)	Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)
1. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	16. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
2. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	17. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
3. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	18. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
4. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	19. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
5. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	20. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
6. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	21. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
7. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	22. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
8. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	23. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
9. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	24. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
10. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	25. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
11. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	26. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
12. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	27. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
13. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	28. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
14. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	29. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
15. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	30. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		

APNs

Ventura	XXX-X-XXX-XXX	10 digits
Santa Barbara	XXX-XXX-XXX	9 digits
San Luis Obispo	0XX-XXX-XXX	9 digits
Monterey	XXX-XXX-XXX or XXX-XXX-XXX-000	9 or 12 digits
San Benito	0XX-XXX-XXX or 0XX-XXX-XXX-000	9 or 12 digits
Santa Cruz	XXX-XXX-XX	8 digits
Santa Clara	XXX-XX-XXX	8 digits
Santa Mateo	XXX-XXX-XXX	9 digits

TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

Page 1 of 3 - August 13, 2015 Version

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Annually by October 1st, Tier 2 and Tier 3 dischargers with High Nitrate Loading Risk must report total nitrogen applied and present in the soil.

Hover over the cells/boxes with your mouse for more information on what is required. Refer to instructions for further detail.

SECTION I: GENERAL RANCH INFORMATION

AW#:	<input type="text"/>	Ranch Global ID:	<input type="text"/>	Ranch/Risk Unit or Field/Block Name:	<input type="text"/>	Physical Acres Reporting:	<input type="text"/>
County:	Monterey	APN(s):	555-999	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

(Space for more parcels and multiple counties available on page 2)

SECTION II: NITROGEN APPLIED WITH IRRIGATION WATER (Include water for leaching and recycled water)

Average Nitrate Concentration in Irrigation Water (mg/L)

Units of Nitrate Concentration (select one)

- ☐ as Nitrate (NO₃)
☐ as Nitrogen (N)

Warning: JavaScript Window -



Error: Please enter Monterey County APN using the format 999-999-999 or 999-999-999-999

OK

SECTION IV: NITROGEN APPLIED WITH

	Specific Crop(s) Grown and Harvested During Reporting Period <small>(Select from List on Page 3)</small>	Total Cropland Acres	Nitrogen Applied with Irrigation Water (mg/L)		Nitrogen Applied with Fertilizers and Other Materials (lbs/ac)		O/C	No Yield/Research (NY or R)
1.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
9.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
13.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
14.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Physical Acres Receiving Compost & Amendments

Nitrogen Applied in Compost & Amendments (total lbs)

ts with calculations in this section)

Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)

O/C

No Yield/Research (NY or R)



Specific crops vs. Mix
Broccoli



Escarole/radicchio/lettuce



Spring mix or mixed greens



Lettuce mix

TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

Page 2 of 2 - April 2, 2015 Version

EMAIL FORM AS AN ATTACHMENT: Attach completed and saved form to an email and send to AgNOI@waterboards.ca.gov

ADDITIONAL CROPS AND COUNTIES (continued from Sections I and IV)

	Specific Crop(s) Grown and Harvested During Reporting Period (Select from List)	Total Crop Acres	Nitrogen Present in Soil (lbs/ac)	Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)		Specific Crop(s) Grown and Harvested During Reporting Period (Select from List)	Total Crop Acres	Nitrogen Present in Soil (lbs/ac)	Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)
31.							38.						
32.							39.						
33.							40.						
34.							41.						
35.							42.						
36.							43.						
37.							44.						

County:		APN(s):					
County:		APN(s):					
County:		APN(s):					

SECTION V: BASIS FOR THE AMOUNT OF NITROGEN THAT WAS APPLIED (select all that apply)

<input type="checkbox"/> University Research Data	<input type="checkbox"/> Consultant (PCA, CCA, etc.)	<input type="checkbox"/> Commodity or Industry Group	<input type="checkbox"/> Trade Publication	<input type="checkbox"/> Laboratory Recommendation
<input type="checkbox"/> UCCE Information	<input type="checkbox"/> Local Info/Neighbor	<input type="checkbox"/> Private Research Trials	<input type="checkbox"/> Fertilizer Distributor/Dealer	<input type="checkbox"/> Site Analysis Dry Biomass
<input type="checkbox"/> UC Farm Advisor Consultation	<input type="checkbox"/> Yield Projection	<input type="checkbox"/> On-Farm Research Trials	<input type="checkbox"/> Grower Experience	<input type="checkbox"/> Scientific Literature

SECTION VI: EXPLANATION/COMMENTS

If the information on this form does not represent the entire 12-month reporting period, please provide a brief explanation.

SECTION VII: TRADE SECRETS

Does this form contain information related to trade secrets or secret processes?

☐ YES ☐ NO

If YES, include an attachment that identifies the specific section(s) in this Total Nitrogen Applied form where proprietary information is contained and provide detailed and specific justification. Note that checking YES to the question above and providing detailed and specific justification does not guarantee the information will not be disclosed. Regional Board staff must review the claim of proprietary information and justification and make a determination as to whether the information is proprietary and can be withheld from disclosure in response to a records request.

SECTION VIII: CERTIFICATION This form must be reviewed and certified by the Operator/Responsible Party listed on the eNOI

I declare under penalty of perjury under the laws of the State of California that this Total Nitrogen Applied form, dated 4/2/2015, was prepared by me, or under my direction or supervision, following a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. To the best of my knowledge and belief, this document is true, accurate, and complete. I am aware that there are significant penalties associated with submitting false information and committing perjury.

☐ I have read and accept the above terms.

--	--	--	--	--

Operator/Responsible Party

Preparer Name

Preparer Title

Contact Info (email address and/or phone)

Date Prepared (MM/DD/YYYY)

Information for Required Acres

- Reporting period.
- AW, Ranch ID, Ranch/Unit/Block/Field Name
- Reporting Acres (Required Acres)
- County/ies and APNs
- Irrigation water nitrate concentration $\text{NO}_3\text{-N}$ or NO_3
- Nitrogen in irrigation water (lbs/physical-acre)
- Help cell: Volume water in gallons
- Nitrogen “applied TO LAND”, compost, organics, amendments, OTHER than fertilizers (Lbs.)
- Acres receiving nitrogen to land (Physical acres)

Information by Specific Crops

- List of Crop(s)
- Each Crop acreage
- Total Pounds of Nitrogen applied in fertilizers, (Lbs/each crop-acre)
- Nitrogen content in soil (Lbs/crop-acre)
- Organic or conventional
- Produced no yield (disked in?)?
Research *ONLY* (not for maximum yield)?

Additional Information

- Basis to decide the amount of nitrogen applied,
- Explanations cell: “Reporting period” “Acreage”,
- Trade secrets?
- Certification and signature
- Date

Handouts

- Instructions with conversions, calcs
- Examples: How to complete the form
- How to open, use, submit the Form
 - AgNOI@waterboards.ca.gov

Example 1

Ranch – high risk – acreage = 400

20 blocks of 20 acres each in rotations – multiple crops

Soil test results: 10 pounds N per acre

No compost or amendments applied

Crop and Fertilizers Applied

Multiple Crops and Rotations (all conventional lettuce, none organic)

1. head lettuce, spring 220 acres, at 200 pounds N/crop-acre,

200 pounds/crop-acre * 220 crop-acres = 44,000 pounds N

2. second lettuce on 180 acres at 400 pounds N/crop-acre,

400 pounds/crop-acre * 180 crop-acres = 72,000 pounds N

3. third lettuce on 100 acres at 300 pounds N/crop-acre,

300 pounds/crop-acre * 100 crop-acres = 30,000 pounds N

- 500 total crop-acres were grown and harvested

- 44,000 pounds + 72,000 pounds + 30,000 pounds = 146,000 pounds N applied

Nitrogen Applied in Fertilizers (Section IV of form):

146,000 pounds / 500 crop-acres = 292 pounds/crop-acre applied

Irrigation

- Nitrate concentration is 60 mg/l as NO₃

1.5 acre-feet per acre

TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

Page 1 of 3 - August 13, 2015 Version

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Hover over the cells/boxes with your mouse for more information on what is required. Refer to instructions for further detail.

SECTION I: GENERAL RANCH INFORMATION

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County: APN(s):

(Space for more parcels and multiple counties available on page 2)

SECTION II: NITROGEN APPLIED WITH IRRIGATION WATER (Include water for leaching and recycled water)

Average Nitrate Concentration in Irrigation Water (mg/L) Units of Nitrate Concentration (select one) ☐ as Nitrate (NO3) ☐ as Nitrogen (N)

Estimated Total Volume of Irrigation Water Applied to Entire Reporting Acres During Reporting Period (gallons)

For auto-calculation of Nitrogen applied with Irrigation Water, this field is not required. Use the spreadsheet 'convert_to_gallons' for converting acre-feet or acre-inches to gallons.

Total Nitrogen Applied with Irrigation Water (lbs/ac)

SECTION III: NITROGEN APPLIED WITH COMPOST & AMENDMENTS

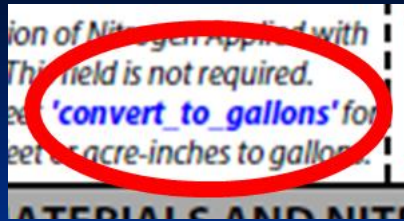
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Physical Acres Receiving Compost & Amendments

Nitrogen Applied in Compost & Amendments (total lbs)

SECTION IV: NITROGEN APPLIED WITH FERTILIZERS & OTHER MATERIALS AND NITROGEN PRESENT IN SOIL (The spreadsheet 'N from fertilizers' assists with calculations in this section)

	Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present in Soil (lbs/ac)	Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)		Specific Crop(s) Grown and Harvested During Reporting Period (Select from List on Page 3)	Total Crop Acres	Nitrogen Present in Soil (lbs/ac)	Nitrogen Applied in Fertilizers and Other Materials (lbs/ac)	O/C	No Yield/Research (NY or R)
1.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		16.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		17.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		18.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
4.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		19.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
5.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		20.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
6.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		21.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
7.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		22.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
8.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		23.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
9.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		24.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
10.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		25.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
11.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		26.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
12.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		27.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
13.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		28.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
14.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		29.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
15.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		30.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	



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TIER 2/TIER 3 FARMS WITH HIGH NITRATE LOADING RISK

TOTAL NITROGEN APPLIED REPORT - RANCH/RISK UNIT & FIELD/BLOCK

Page 1 of 3 - August 13, 2015 Version

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Hover over the cells/boxes with your mouse for more information on what is required. Refer to instructions for further detail.

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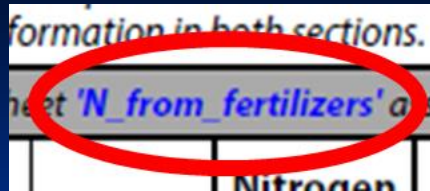
Average Nitrate Concentration in Irrigation Water (mg/L)	Units of Nitrate Concentration (select one)	Estimated Total Volume of Irrigation Water Applied to Entire Reporting Acres During Reporting Period (gallons)	Total Nitrogen Applied with Irrigation Water (lbs/ac)	Physical Acres Receiving Compost & Amendments	Nitrogen Applied in Compost & Amendments (total lbs)
<input type="text"/>	<input type="checkbox"/> as Nitrate (NO ₃) <input type="checkbox"/> as Nitrogen (N)	<input type="text"/> <small>For auto-calculation of Nitrogen Applied with Irrigation Water. This field is not required. Use the spreadsheet 'convert_to_gallons' for converting acre-feet or acre-inches to gallons.</small>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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Example 2

Ranch – high risk – acreage = 100

2 blocks of 50 acres each in rotation (fallow, or cover crops used)

Soil test shows 40 pounds/acre N

Crop

Strawberry from June 30, 2014 to July 30, 2015 (conventional, not organic)

Strawberry acres = 50. Fallow, the other 50 acres

Compost Applied

Compost applied to all 100 acres = 2 tons/acre (3% N) (1 ton = 2,204 pounds)

$4,408 \times 100 \times (3/100) = 13,224$ total pounds of N

Fertilizers Applied

- N, Slow release applied in July 2014 = 200 pounds/acre

- N, liquid fertilizers from January to July 2015 = 100 pounds/acre

- Foliar = 2 pounds/acre

$200 \text{ pounds/acre} + 100 \text{ pounds/acre} + 2 \text{ pounds/acre} = 302 \text{ pounds/acre}$

Irrigation

Nitrate concentration = 20 mg/l as **NO₃**

Sprinklers to establish crop in August 2014 = 162,900 gallons

Drip starts in January. Calculated to be 95,300 gallons every hour (50 acres together), 2 hours, 3 times/week, every week, 7 months. Its 16,010,400 plus 162,900 = **16,173,300** gallons << **NOTE**

Example 3

Ranch – high risk – acreage = 100

2 blocks of 50 acres each in rotation (**cover crops** used)

Soil test shows 40 pounds/acre N before strawberry crop

Crop

Strawberry from June 30, 2014 to December 31, 2015

Strawberry acres = 50. Cover crop, 25 acres, Broccoli, 25 acres

Compost Applied

- Compost applied to all 100 acres = 2 tons/acre (3% N) (1 ton = 2,204 pounds). $4,408 \times 100 \times (3/100) = 13,224$ total pounds of N

Fertilizer Applied

- Strawberry 302 pounds/acre until August, 50 pounds more later
- Broccoli 400 pounds/acre
- Cover crop is legume- No N was applied

Irrigation

Nitrate concentration = 20 mg/l as NO₃

Sprinklers to establish crop in August 2014 = 162,900 gallons

Drip starts in January. Calculated to be 95,300 gallons every hour (50 acres together), 2 hours, 3 times/week, every week, 7 months. Its 16,010,400 plus 162,900 = 16,173,300 gallons << **NOTE 2**

Thank You

Agricultural Regulatory Program

Chris Rose – Program Director

(805) 542-4770

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